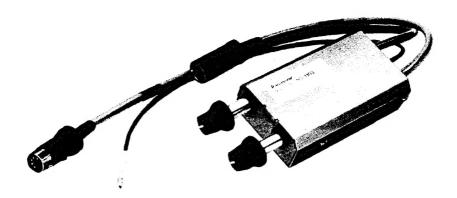
ORDER NO. RD83072083C1

Service Manu

AUTO VOLUME

RD-1103

CUSTOM-MADE FOR HONDA



Spare parts for this model have already been unable to supply. However, we un-officially may supply a few items. Please contact us regarding this matter.

■ SPECIFICATIONS

Power Source:

Test Voltage: Power Consumption:

Auto Volume

OFF Gain:

DC 12 V (From RM-1100)

DC 14 V

20 mA

n dB

Auto Volume Gain Control:

Input Speed Control: Tone Control:

Dimension:

Weight:

6~16 dB 0~240 km/H

10 dB (10 kHz)

54 (W)×25 (H)×97 (D) mm

(21/8"×1"×37/8")

0.18 kg (61/2 oz)

Specifications are subject to change without notice.

Panasonic.

Matsushita Engineering and Service Company 50 Meadowland Parkway, Secaucus. New Jersey 07094

Panasonic Hawaii Inc. 91-238 Kauhi St. Ewa Beach P.O. Box 774 Honolulu, Hawaii 96808-0774

Matsushita Electric of Canada Limited 5770 Ambler Drive, Mississauga, Ontario, L4W 2T3 Panasonic Sales Company, Division of Matsushita Electric of Puerto Rico, Inc. Ave, 65 De Infanteria, KM 9.7 Victoria Industrial Park Carolina, Puerto Rico 00630

LOCATION OF CONTROLS AND COMPONENTS

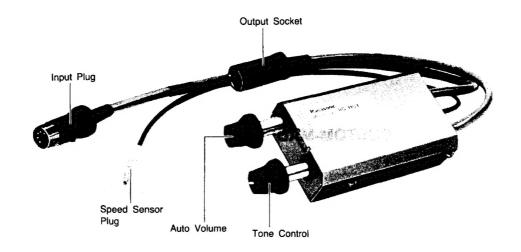


Fig. 1

DISASSEMBLY INSTRUCTIONS

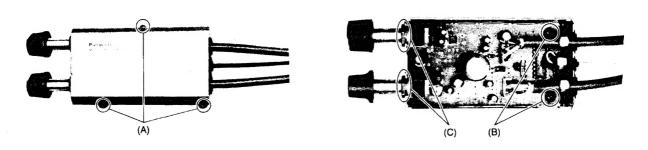
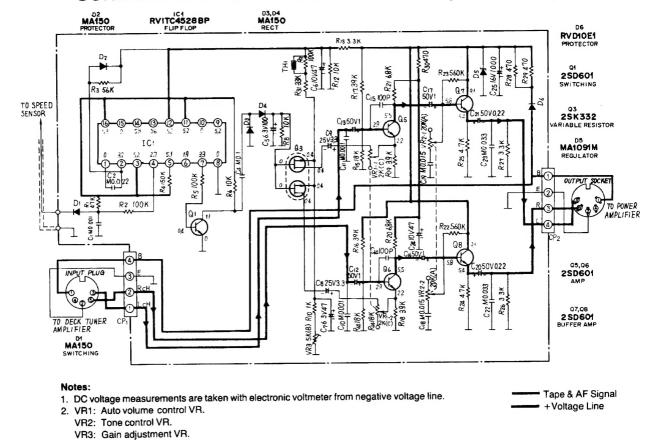


Fig. 2

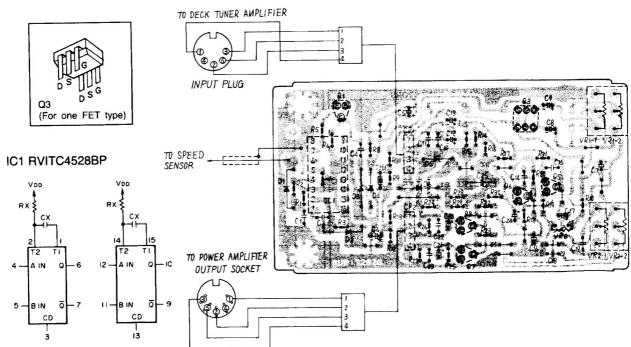
Fig. 3

Ref. No.	Procedure	Shown in Fig.—	To remove—.	Remove—.		
1	1	2	Cover	Screw (3×6)		
2	4.0	3	Circuit Based	Screw (3×6) (B)×2		
3	1, 2	3	Circuit Board	Nut (Ø9) (C)×2		

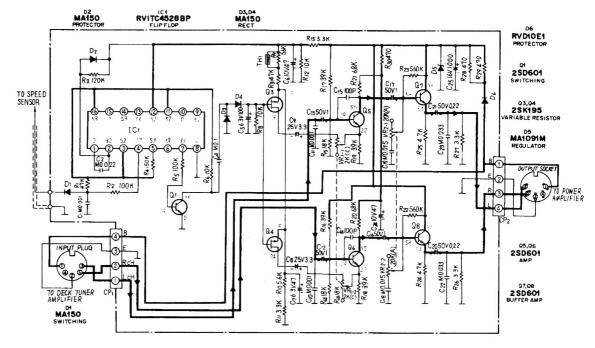
SCHEMATIC DIAGRAM MODEL RD-1103 (One FET Type)



CIRCUIT BOARD AND WIRING CONNECTION DIAGRAM MODEL RD-1103 (One FET Type)



SCHEMATIC DIAGRAM MODEL RD-1103 (Two FET Type)



Notes:

- 1. DC voltage measurements are taken with electronic voltmeter from negative voltage line.
- VR1: Auto volume control VR. VR2: Tone control VR.

Tape & AF Signal + Voltage Line

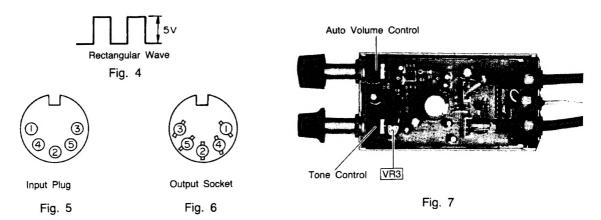
CIRCUIT BOARD AND WIRING CONNECTION DIAGRAM **MODEL RD-1103 (Two FET Type)** Cathode TO DECK TUNER AMPLIFIER D1~4 D5 INPUT PLUG IC1 TO SPEED _____ SENSOR Q1,5~8 TO POWER AMPLIFIER OUTPUT SOCKET Q3, 4 (For two FET type)

D6

MEASUREMENTS AND ADJUSTMENTS

AIN ALIGNMENT (For one FET Type)

Set tone control to Auto volume control				
RC OSCILLATOR ①	RC OSCILLATOR ②	AC VOLTMETER	ADJUSTMENT	REMARKS
Connect to input plug. 3Lch 5Rch 2E (1 kHz, 1 mV)	Connect to speed sensor. (100 Hz, 5 V) (Rectangular Wave)	Connect to output socket. ③Lch ⑤Rch ②E	VR3	Adjust VR3 so that 6±0.5 dB is increased to the output value on condition that speed sensor is disconnected.



ELECTRICAL PARTS LOCATION

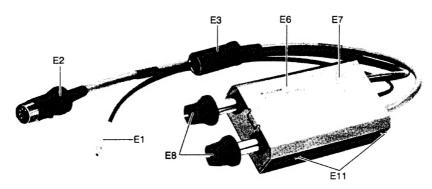


Fig. 8

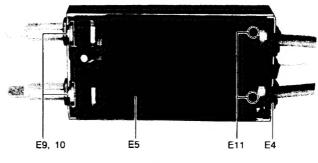


Fig. 9

REPLA	CEMENT PARTS	LISTRD-	1103	Ref. No.	Part No.	Value	Ref. No.	Part No.	Value
Notes: 1. Imports When r specific 2. The Si produc 3. RESIS Unless All res All cap * Type ERC:S ERD:C RRD:C RRD:C Wattag 10.16: * Type ECFW ECGWS ECUX ECMS Voltage	ant safety notice. Lents identified by ant for safety. Leplacing any of the ed parts. Leplaci	(RD830720 A mark have special characteristic se components, use only manufacturice standard parts and may differ forest and second fores	083C1) cs rer's	R1 R2 R3 R4 R5 R6 R8 R9 R10 R12 R13 R14 R15 R16 R17 R18 R20 R21 R22 R23 R24 R25 R26 R27 R28	RESISTORS RRD18XJ473 RRD18XJ104 RRD18XJ563 RRD18XJ154 RRD18XJ103 RRD18XJ103 RRD18XJ103 RRD18XJ102 RRD18XJ103 RRD18XJ103 RRD18XJ103 RRD18XJ103 RRD18XJ332 RRD18XJ183 RRD18XJ183 RRD18XJ393 RRD18XJ392 RRD18XJ392 RRD18XJ392 RRD18XJ682 RRD18XJ471 RRD18XJ471	47K 100K 56K 150K 100K 10K 10K 10K 18K 18K 39K 39K 3.9K 3.9K 6.8K 6.8K 6.8K 4.7K 4.7K 3.3K	No.	rait NU.	value
1H: 50 2A:100 2E:500 2H:500	OV 0,5: 50V 0 OV 1:100V 1 OV 2:200V 1		50V 63V 100V	R30 R31 C1 C2 C4 C5 C6	RRD18XJ471 RRD18XJ333 CAFACITORS ECUX1H102MD ECUX1H223MD ECUX1E104MD ECEA0JK101 ECEA1AK470	0.001 0.022 0.1 100 47			
Ref.No. IC1 21,5~8 23,4 D1~4 D5 D6 Thl		Part Name & Description INTEGRATED CIRCUIT, TRANSISTORS AND DIODES IC Transistor (Si) Transistor (Si), For One FET Type Transistor (Si), For Two FET Type Diode (Si) Diode (Si) Diode (Si) THERMISTOR Thermistor VARIABLE RESISTORS Variable Resistor, 2K\(\Omega(C) Variable Resistor, 20K\(\Omega(D))	Per Set	C7 C8 C9 C10 C11 C12 C13 C14 C15 C16 C17 C18 C19 C20 C21 C22 C23 C24 C25	ECEADJK470 ECEALEK3R3 ECEALEK3R3 ECUX1H102MD ECUX1H101M ECEALHK010 ECEALHK010 ECUX1H101K ECEALHK010 ECEALHK010 ECEALHK010 ECEALHK010 ECEALHK010 ECUX1E153MD ECUX1E153MD ECUX1E153MD ECEALHK022 ECEALHK022 ECEALHK0233MD ECEAL	3.3 3.3 0.001 0.001 1 100P 100P 1 0.015 0.015 0.22 0.22 0.033 0.033 47 0.001			
VR3 E1 E2 E3 E4 E5 E6 E7 E8 E9 E10	RJP0F14Y RJP0F15Y RJS0R2Y RHG2033Z RHG1080Z RGT1036Z RKF668Z RBN664Z XWSR9FZ RHE7034Z	20KΩ (A) Variable Resistor, Pre-Set, 5KΩ (B), For One FET Type ELECTRICAL PARTS Plug with Cord Plug with Cord, CPl Socket with Cord, CP2 Rubber, Cord Cushion, Circuit Board Name Plate Cover Knob Washer Nut Screw, Circuit Board M'tg	1 1 1 1 1 1 1 2 2 4 4						